# Magic InstaScan™ PRO Auto Feed Scanner

PDSWF-ST48-VP

User Manual

[VuPoint]® Solutions

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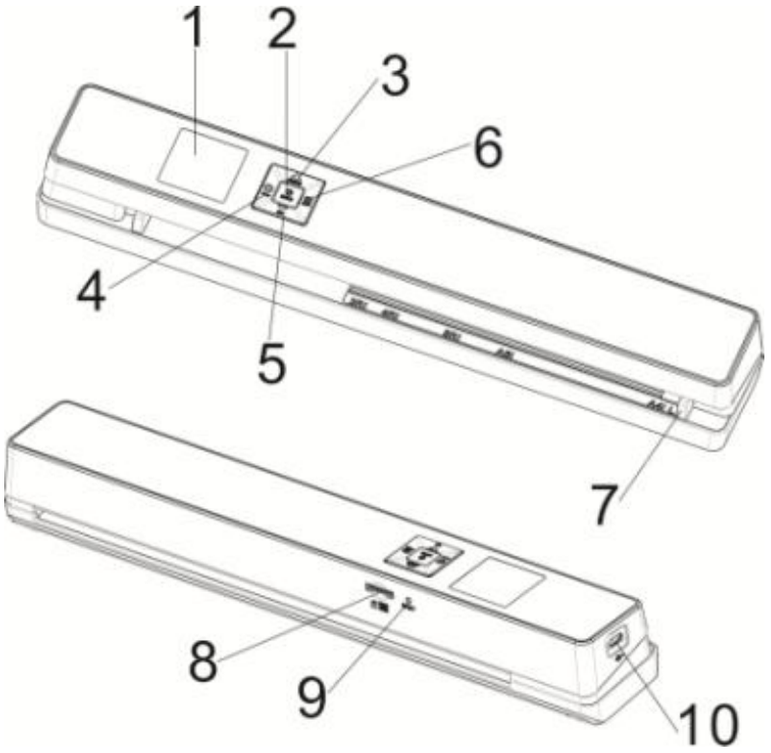
# Getting to know your ST48 Auto Feed Scanner

## 1. Key Features

- Automatically scans when feeding a document
- JPEG, PDF-A4 or PDF-Letter scan-format selection.
- Color or Monochromatic (mono) scan selection.
- 300 (LO) /600 (MI) /1200 (HI) DPI scan quality selection.
- Directly save JPG (JPEG)/PDF files to the microSD/microSDHC card.
- Support the microSD/microSDHC memory card up to 32GB.
- Color display to playback the scanned images
- Built-in Wi-Fi® for file transfer.
- Supports Scan Direct function
- Wi-Fi® Scan Direct: Connect to smart device or tablet via Wi-Fi® and scan directly to smart device or tablet
- Compatible to Windows® XP, Windows® Vista™, Windows® 7, Windows® 8, and Mac OS® 10.5 or above (direct plug-in, driver installation not required)

## 2. Functional Parts



| | | |
|---|---|---|
| 1 | LCD screen | Display scanning status, scanned images and scanner settings |
| 2 | | Power On/Off: Press and hold this key for 3 seconds to power on or off.<br>In Setup mode, press this button to confirm changes.<br>In Playback mode, press this button to change the zoom between 4x, 8x and normal.<br>When connected to the computer, press this button once to switch between Standby and USB modes. |
| 3 | | Press this button to select JPG (JPEG), PDF-A (PDF-A4) or PDF-L (PDF-Letter) file format. The icon of the selected mode will be displayed on the LCD screen.<br>In Setup mode: Press this button to move up the selection bar.<br>In Playback mode: Press this button to preview the pervious image.<br>When zooming in under Playback mode: press it to move to the upper/left portion of the image. |
| 4 | | Press this button to enter Setup Menu<br>In Playback mode: Press this button to enter single file delete option.<br>When zooming in under Playback mode: press this button to shift the functions of and between UP/DOWN and LEFT/RIGHT.<br>Press and hold to turn Wi-Fi® on or off. |
| 5 | | Press this button to select LO (300dpi), MI (600dpi) or HI (1200dpi) scan quality in DPI. The icon of the selected quality will be displayed on the LCD screen.<br>In Setup mode: Press this button to move down the selection bar.<br>In Playback mode: Press this button to preview the next image.<br>When zooming in under Playback mode: press it to move to the lower/right portion of the image. |
| 6 | | Press this button to enter Playback mode;<br>Press this button to return to the previous screen<br>In Setup mode: Press this button to exit Setup mode. |
| 7 | Guiding Tab | Adjust to scan documents of various sizes |
| 8 | microSD card slot | The microSD card storage location. |

| | | |
|---|---|---|
| 9 | Reset | Press to reset the scanner (Hardware reset) |
| 10 | USB interface | Connect to a computer with the USB cable provided to view and transfer files<br>Used to charge the built-in battery with an optional AC/DC power adapter. |

# 3. Explanation of the Status Icons

| Item | Function | Description |
|---|---|---|
| 1 | File Format | JPG/PDF-A/PDF-L |
| 2 | Scan Resolution | LO: 300 DPI /MI: 600 DPI / HI: 1200 DPI |
| 3 | Battery Power Indicator | Fully charged<br>Low battery. Recharge needed |
| 4 | Scan Color | COLOR/MONO |
| 5 | File Counter | Shows the number of scanned files in the microSD card |

# 4. Using the Scanner

## 4.1 Charging the Battery

Charge the built-in battery before using the scanner.
Charge time (while scanner is off): Approx. 1.5 hours.

**Two charging methods:**

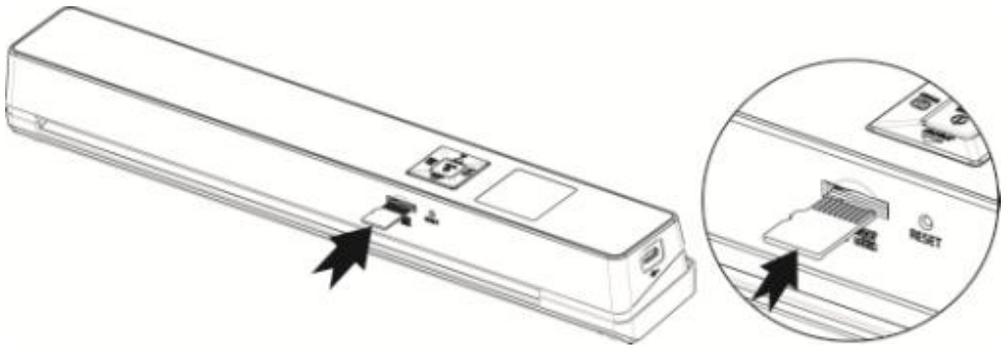
1. By connecting to an AC/DC power adapter via the USB interface (Not included).
2. By connecting to a computer via included USB cable

**Note:**
Once the battery is fully charged while the scanner is off, battery indicator will display on LCD screen for a short time and will turn off automatically.

## 4.2 Inserting a microSD Memory Card (not included)

**Note:** Memory cards may be hot after use. Be cautious when removing memory cards from the unit.
To operate the scanner, you must insert a microSD card (not supplied) to record and store your pictures. To insert the microSD memory card:

1. Turn OFF the scanner.
2. Insert the microSD card into the microSD card slot (with metal side facing upwards). Gently press in until the card is clicked in and latched.




## 4.3 Turn on/off the Scanner

Turn on/off the scanner by pressing and holding SCAN .

**Note:**

If the scanner is turned on for the first time or the scanner is reset, it will enter Date & Time/Language setup mode. Once the Date & Time/ Language setting is completed, scanner will enter into standby mode.
By default, Auto-off feature is set to 3 minutes. If the Auto-off feature is set at "3 Min" (refer to section 4.7), the scanner will automatically turn off if scanning action is not detected within 3 minutes.

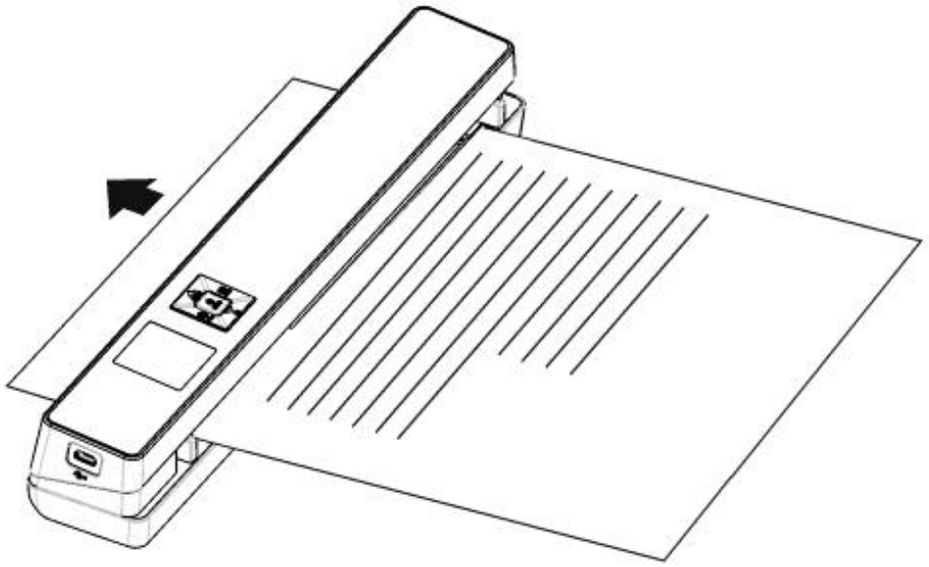
**To set Date & Time/Language:**

1. Press ENTER to jump to next setting option: YEAR →MONTH →DATE →HOUR → MINUTE.
   When setting up the value for MINUTE, press BACK to switch to the previous setting option until it reaches the YEAR option.
2. Press JPG/PDF or DPI to set the figure corresponding to each setting.
3. Press ENTER to confirm and move to next setting.

4. After completing the setting for MINUTE, it will enter Language setup screen.
5. Press JPG/PDF or DPI to select your desired language.
6. Press ENTER to confirm and enter into standby status.

## 4.4 How to Scan

1. Adjust the Guiding tab to the appropriate spot in accordance to the size of the document
2. Smooth the edge of the document(s) before scanning.
3. Insert the document gently into the slot and the scanner will automatically start scanning.



During scanning, the scanning status icon will be displayed on the LCD screen to indicate scanning is in progress.

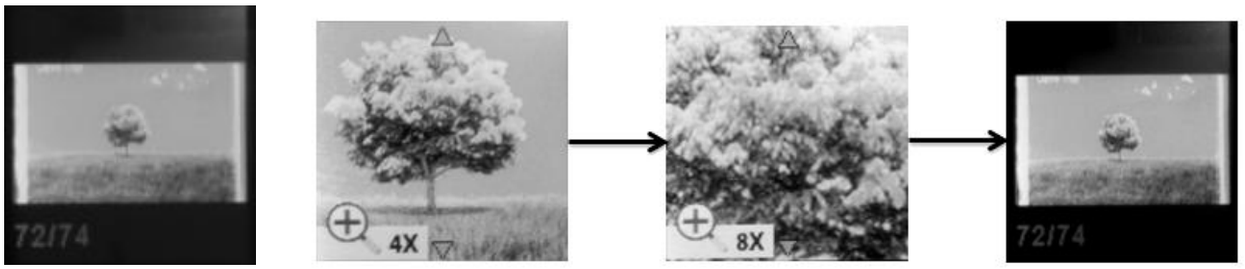
4. If the scanner is connected to the computer, press the ENTER once to enter USB mode, then you are able to view the scanned files on the computer.

**Notes:**

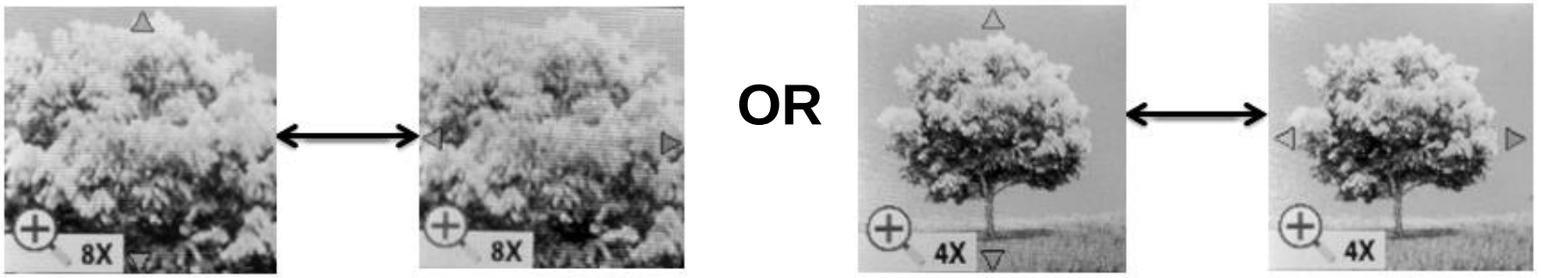
- When scanning and connected to an external power, the scanner will enter charging mode if no scanning action is detected within 1 minute.
- If “Scan error” icon appears on the LCD screen, original memory card needs to be replaced with a higher call microSD card (Class 6 or above is recommended). The error image will still be saved after the scan completes.
- If Instant Preview feature is set to "on", scan result will shortly be displayed on the LCD screen before the scanner returns to standby mode.
- When the memory card is full, the scanner is unable to scan more images. If you press the scan button under such situation, “Full” will flash rapidly on the File Counter of the LCD screen for 2 seconds.

# 4.5 How to Playback Image

1. Press BACK to enter Playback mode. The last scanned image will be displayed.
2. Press JPG/PDF or DPI to select your desired image. Press ENTER to zoom into the image. ▲ and ▼ navigational indicators will appear on the screen.
3. Press ENTER to change the magnification between 4x, 8x and normal zoom.




4. Press JPG/PDF to view the upper portion of the image; Press DPI to view the lower portion of the image.
5. Press ⚙ to shift ▲ and ▼ navigational functions to ◄ and ► Press JPG/PDF or DPI button to view the left or right portion of the image. Press ⚙ to change directions anytime.



6. Press BACK to return to the previous Playback screen, press it again to return to standby mode.

**Note:** Images that exceeds 9MB file size cannot be magnified.

## 4.6 Delete Single File

| | |
|---|---|
| 1. | Press BACK to enter Playback mode. |
| 2 | Press JPG/PDF or DPI to select the file you want to delete. |
| 3. | Press ⚙ to enter Delete File setting. |
| 4. | Press JPG/PDF or DPI to select Yes or No.<br>Select “Yes” to delete the current file in the microSD card.<br>Select “No” to return to previous Playback screen. |
| 5. | Press ENTER to confirm your selection and return to the previous Playback screen. |

## 4.7 Setup Menu

1. Press ⚙ to enter Setup menu
2. Press BACK or ⚙ to exit Setup menu.

**Follow the below three steps to enter setup screen for each Menu item:**

1. Press ⚙ to enter setup mode.
2. Press JPG/PDF or DPI to select the Menu item you want to set.
3. Press ENTER to enter the setup screen.

| Menu items | Description | Options |
|---|---|---|
| JPG/PDF | Scan Format | • JPG<br>• PDF - A (A4)<br>• PDF - L (Letter) |
| Quality | Scan Quality (DPI) | • Lo (300 DPI)<br>• Mi (600 DPI)<br>• Hi (1200 DPI) |
| Color | Scan Color | • Color<br>• Mono |
| Language | Menu language | • English<br>• Spanish<br>• French<br>• German<br>• Italian<br>• Dutch<br>• Russian<br>• Japanese<br>• Traditional Chinese<br>• Simplified Chinese |
| Date/Time | Date and Time | • Year<br>• Month<br>• Date<br>• Hour<br>• Minute |
| Inst. Preview | Instant preview | • On<br>• Off |
| Auto Off | Auto Power Off | • Off<br>• 3 Min |
| Delete All | Delete All Files | • No<br>• Yes |
| Format | Format the microSD Memory Card<br>**Note:** All contents on microSD card will be erased during formatting | • No<br>• Yes |
| Reset WiFi | Rest the Wi-Fi Settings | • No<br>• Yes |
| Device Info | Device Information | • FW Version<br>• Wi-Fi Name<br>• HTTP Address |

## 4.8 How to Calibrate the Scanner

**Note:** If the scanned images are too dark or too bright, you may need to calibrate your scanner by adjusting the white balance. Follow the below steps to perform calibration:

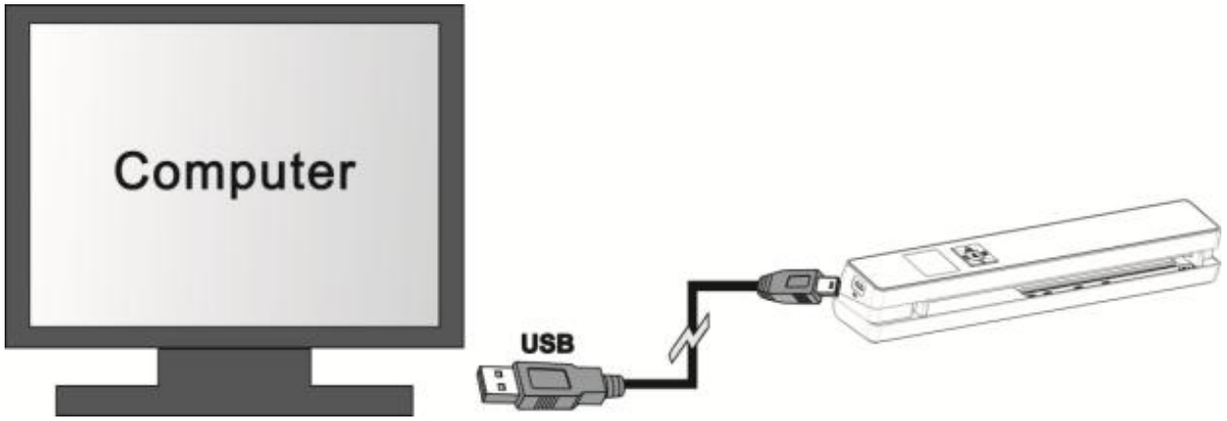
1. Remove the microSD card from the scanner.
2. Press and hold the ENTER button to power on the scanner.
3. Press and hold JPG/PDF button. While holding the JPG/PDF button, press the ENTER button and then release both buttons to enter into auto-calibration mode. The message “1. Insert the calibration sheet.” will appear on LCD screen.
4. Insert the calibration card as the arrows indicate with the text facing down. The scanner will start to scan the calibration card. During the scanning process, it will stop and message “2. Calibration in progress!” will appear. Wait for the scanner to continue to finish the scanning the rest of the calibration card.
5. “3. Calibration completed!” message will appear on the LCD screen when calibration is completed.

# 5.Connecting to Computer

**View your scanned files on your comptuer**

You may also connect your scanner to your computer and view pictures on the computer monitor

1. Press and hold ENTER to turn on your scanner.
2. Connect your scanner to your computer and press ENTER to enter USB mode.
3. Your computer will recognize the scanner as a “Removable Disk”. Click “Open folder to view files” to view, import, copy, move or to delete scanned files.




**Note:** If the Removable Device window does not launch automatically, go to your “My Computer/Computer” (PC) and find the device under Removable Storage.

# 6. Using the Wi-Fi® Function

## 6.1 Enabling the Wi-Fi® Function

View and transfer files from the scanner to your computer, laptop, smart device or tablets via Wi-Fi.

1. Turn on the scanner, then press and hold the WIFI button. “Starting” will display on the screen.
2. Wait approximately 30 - 40 seconds for Wi-Fi® to initialize.
3. “Ready” will display on the screen once the Wi-Fi® finishes initializing.

**Notes:**

- The use of Wi-Fi® will consume a larger amount of battery. To preserve battery, it is suggested to turn off the Wi-Fi® when not in use.
- When Wi-Fi® is on, you will be unable to use the scanner to scan. Exception: Use of the SCAN Direct feature. Refer to section 6.3 to utilize the SCAN Direct function to scan files directly to your smart device.
- Calibration cannot be performed while using Wi-Fi®.

## 6.2 Connecting to the Scanner via Wi-Fi®

1. Turn on the Wi-Fi® by pressing and holding WIFI button.
2. Go to the network setting on the computer/smart device and turn on the Wi-Fi®
3. When "Ready" indication is displayed on the scanner's screen, search for the **“WIFISCAN”** network in the computer/smart device setting
4. Enter **“123456789”** as the password to connect to the scanner
5. “Connected” will be display on the scanner’s screen once Wi-Fi® is connected on the device.
6. Open an Internet browser and enter **“192.168.1.2”** or **“wifi.scan/”** in the address bar to enter the navigation page.

In the navigation page, all the scanned images will be shown on the browser in thumbnails. You can view and delete files stored in the scanner or change the scanner Wi-Fi® settings.

**Note:** If a new Wi-Fi® password is forgotten, it can be reset by using the Reset Wi-Fi® option in the Scanner settings. Refer to section 6.4

**View files from an Internet Browser via Wi-Fi®**

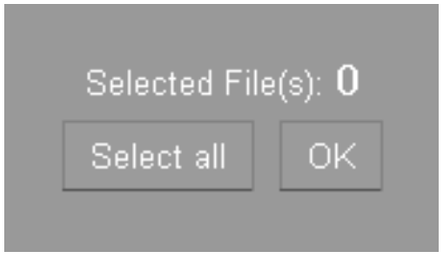
Click the “View” button to preview a single file.

**Note**: If a JPG format file exceeds 4MB, a notification “Image is too large” will be presented and the file cannot be previewed.

**Delete files from Internet Browser via Wi-Fi®**

Delete your selected files.

1. Click the “Delete” icon and a “Selected File(s)” window will appear.

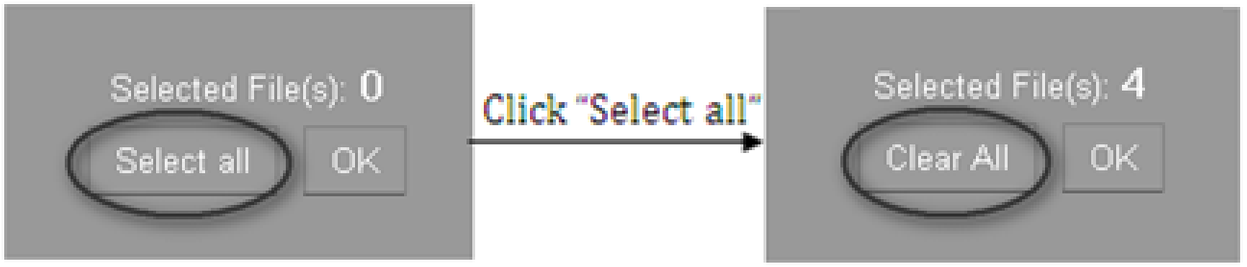



2. Check the files that you want to delete.

3. Click the “OK” on the “Selected File(s)” window to delete the files.

2. Delete all files:

- In the “Selected File(s)” window, click “Select all” icon. All the files on current page will be checked.
  **Note:** When the “Select all” option as been clicked, it will change to “Clear All”. Choosing “Clear All” will remove the check marks.




- Click “OK” to confirm selection

**Change Scanner WiFi settings**

In the navigation page, click “Scanner WiFi® settings” to modify the default settings.

**Note:** When modifying the scanner Wi-Fi® settings on a smart device, after clicking the “MENU” option, the “SCANNER WIFI SETTINGS” option will appear.

1. Enter your new SSID, Password, IP Address and Domain Name in the blanks spaces.
2. Click “Submit” to confirm your setting.
3. After confirming changes to the Scanner Wi-Fi® settings, restart the Wi-Fi®.

**Note:** Viewing error may occur when previewing larger file. Turn off the Wi-Fi® and connect the scanner to a computer via USB cable to view the files.

## 6.3 Using the VuPoint Scanner App

**Brief introduction of our App:**

**VuPoint Scanner App is a mobile application for both iOS™ and Android™ platforms, which connects your smart device with the portable scanner through Wi-Fi® connection.**

VuPoint Scanner App allows you to check the scanner's battery status, Wi-Fi® connection status and upload status on your iOS™ or Andriod™ smart device. You can scan files directly to your smart device via the SCAN Direct feature, browse saved files on your scanner, sort the files by date, size or file format, view file details and rename the files.

You can save the scanned files to your smart device, add or delete tags on files, combine more than one file into one multi-page PDF file, log into your social media and share your file(s) to services such as Dropbox™ or Facebook™.

1. Search for VuPoint Scanner app via Google Play™ Store or App Store℠.
2. Download and install the app onto your smart device.
3. Turn on the Wi-Fi® on the scanner.
4. Go to network setting on your smart device and enable the Wi-Fi®.
5. When "Ready" appears on the scanner's screen, search for the “WIFISCAN” network on the smart device
6. Enter password “123456789” to connect to the scanner.
7. Open your VuPoint Scanner app and it is ready for use.

## 6.4 Wi-Fi® Reset

You may reset the Wi-Fi® settings to default in the setup menu of the scanner. Be sure to insert a microSD card before starting the Wi-Fi® reset.

1. Turn on the scanner and enter the Setup menu. Select “Reset Wi-Fi®” at the bottom of the menu. Also refer to section 4.7 to enter the Reset Wi-Fi® menu.
2. After entering the Reset Wi-Fi® menu, a message “Reset the Wi-Fi® settings?” will be displayed on the screen. Select “Yes” to confirm and the message “Reset in progress!” will be displayed.
3. Once the reset is complete, “Reset completed!” will be displayed on the screen. Press any button to return to setup menu.

# 7. Specifications

| Image sensor | Color Contact Image Sensor | |
|---|---|---|
| Resolution | Low resolution : 300x300 dpi<br>Medium resolution: 600x600 dpi<br>High resolution: 1200x1200 dpi | |
| Minimum scanning speed for Letter size document | Color High resolution<br>Mono High resolution<br>Color Medium resolution<br>Mono Medium resolution<br>Color Low resolution<br>Mono Low resolution | 8.0 Seconds<br>8.0 Seconds<br>4.0 Seconds<br>4.0 Seconds<br>4.0 Seconds<br>4.0 Seconds |
| Capacity (Based on 1GB microSD card. Scan Letter size file, the quantity of scans varies depending on the content complexity) | Color High resolution<br>Mono High resolution<br>Color Medium resolution<br>Mono Medium resolution<br>Color Low resolution<br>Mono Low resolution | 140 Scans (Min.)<br>150 Scans (Min.)<br>550 Scans (Min.)<br>600 Scans (Min.)<br>1580 Scans (Min.)<br>1600 Scans (Min.) |
| Scanner photo size | A4、A5、5R、4R、3R and smaller | |

| | |
|---|---|
| Scan width | Approx. 8.5” |
| Scan length | 300DPI:130"(max);600DPI:60";(max);1200DPI:55"(max) |
| File format | JPEG/PDF |
| LCD | Approx 1.5” Class* TFT LCD |
| Zoom | 4x, 8x |
| Dimensions (L×H×W) mm | 11.0”×1.5”×1.8” |
| Auto power off | 3 Minutes |
| Wi-Fi® | 802.11 b/g/n |
| USB port | USB 2.0 high speed |
| External memory | microSD/microSDHC card |
| Standard battery | Built-in 1200mAH Lithium-Polymer |
| Battery charge time | Approx. 1.5 hours |

# 8. Computer System Minimum Requirements

| | |
|---|---|
| Operating System | Windows® XP, Windows® Vista™, Windows® 7,<br>Windows® 8, and Mac OS® 10.5 or above (direct plug-in, driver installation not required) |
| CPU | Pentium III or above |
| RAM | At least 256MB |
| Interface | USB port |

# 9.Troubleshooting

| Problem | Cause | Solution |
|---|---|---|
| Cannot turn on the scanner | Low battery power | Recharge the battery |
| Pictures cannot be saved while you are scanning them | 1. The microSD card has not been installed<br>2. Memory is full<br>3. The microSD card has not been formatted properly | 1. Insert a microSD card<br>2. Transfer the pictures from the scanner to the computer to create storage space in the memory card<br>3. Please refer to section 4.7 |

| | | |
|---|---|---|
| “Scan Error" icon appears on the LCD screen | microSD card speed is slow | Replace original memory card with a higher class microSD card. (Class 6 or above recommended) |
| Computer does not recognize your scanner when connected(You cannot find your device under removable disk) | Connection failure | 1. Make sure all cable connections are secured<br>2. Restart the computer if necessary |
| Blurry images | 1. The lens of scanner is dirty<br>2. Contact Image Sensor aged | 1. Clean the lens with soft and dry cloth<br>2. Recalibrate the scanner. Refer to section 4.8 |
| Black Images/Black or white vertical lines | 1. Scanner sensor's protective glass is dirty<br>2. Calibration data is off-set | 1. Clean the sensor’s protective glass with clean and soft dry cloth.<br>2. Recalibrate the scanner. Refer to section 4.8 |
| Wi-Fi® connection | 1. Connection problem<br>2. Battery is low | 1. Reconnect Wi-Fi®. See Section 6<br>2. Recharge the battery. See Section 4.1 |

Note: Model Number and Serial Number (S/N) is located on the packaging, instruction manual, on the product or inside the battery compartment. Please have this information ready before contacting tech support.

**FCC (Federal Communications Commission)**

This device complies with Part 15 of the FCC Rules.
Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation.

*Measured diagonally. Actual size is 1.48”; viewable area is 1.44”

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Dropbox™ is a registered trademark of Dropbox, Inc. microSD and microSDHC logo is a trademark of SD-3C, LLC.
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**US Patent No. 8,416,456**

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